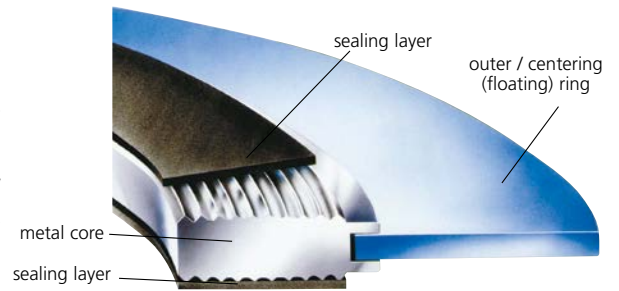


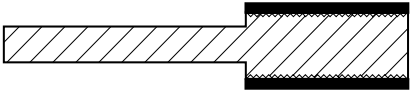
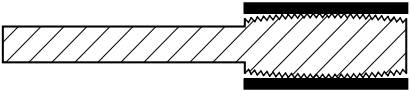
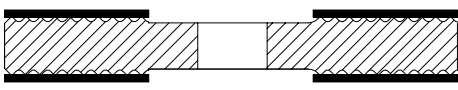
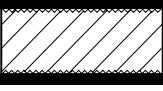
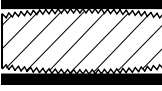
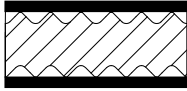
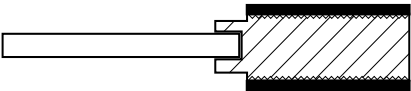
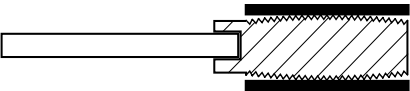
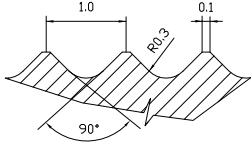
# Camprofile gaskets

## General characteristics

- camprofiles consist of the metal core, usually stainless steel with concentric grooves on either side, sealing layers are applied on both sides
- camprofiles resist to pressures up to 250 bar, depending on the sealing layer gaskets can resist temperatures up to approx. +1000 °C.
- suitable for applications acc. to specification for flanges EN, ASTM, GOST, etc., the very wide seating stress range (highly suitable for varying temperatures and pressures, less sensitive to assembly faults, suitable for light and heavy designed flanges)
- the gaskets do not damage the flange surface and can be easily removed



## Standard gasket profiles

PARALLEL	CONVEX	SPECIAL
<b>M18L</b> Parallel root core with integral centering ring and sealing layers. 	<b>M38L</b> Convex root core with integral centering ring and sealing layers. 	<b>M20L Double</b> Parallel double core without centering ring with holes in the disk (for special application) 
<b>M20L</b> Parallel root core without centering ring, for male / female, tongue / groove and groove flanges. 	<b>M40L</b> Convex root core for male/female, tongue/groove and grooved flanges. 	<b>M50L</b> Parallel core with off centred groove (for male/female, tongue/groove of flanges). 
<b>M21LM</b> Parallel root core with floating centering ring attached outside the sealing area. 	<b>M41LM</b> Convex root core with floating centering ring attached outside the sealing area. 	

## Standard core materials

CSN	AISI ASTM	DIN material No.	DIN specification	Hardness HB	Temperature [°C]		Density [g/cm³]
					Min.	Max.	
11 373, 11 375	Carbon steel	1.0038	RSt.37.2 CS	100 – 130	-40	+500	7,85
17 247	321	1.4541	X6CrNiTi 18-10	130 – 190	-250	+550	7,9
17 249	304L	1.4306	X2CrNi 19-10	130 – 190	-250	+550	7,9
17 251	309	1.4828	X15CrNiSi 20-12	130 – 190	-100	+1000	7,9
17 348	316Ti	1.4571	X6CrNiMoTi 17-12-2	130 – 190	-100	+550	7,8
17 349	316L	1.4404	X2CrNiMo 17-12-2	130 – 190	-100	+550	7,9
monel 400	N04400	2.4360	NiCu 30 Fe	110 – 150	-125	+600	8,8

### Recommended core thickness

4mm (optionally 3 mm)

### Recommended sealing layer thickness: 2 x 0,5 mm, or 2 x 1,0 mm

Graphite	-200	+550	Ceramic	-200	+1100
PTFE	-200	+250	CSF	-40	+250

### Recommended flange surface finish

Ra= 3,2 to 6,3 (µm)

### Seating stress range „Q“

Sealing element	Seating stress „Q“ (N/mm²) +20 °C		
	Min.	Recommended	Max.
Graphite	20	90	400
PTFE	20	90	400
Ceramic	20	80	400